

Members in the Better Buildings Alliance agree to participate in at least one program activity each year and share their successes with their peers. Explore a variety of activities below tailored to your sector, from testing out an implementation model to joining a technology adoption campaign. [Contact us](#) to participate today!

Technology and Market Solutions

Try a new technology or market solutions activity for your sector. To view a full list of activities, visit each team's webpage on the [Technology Solutions pages](#) or [Market solutions pages](#).

Team	Activity
Space Conditioning	<ul style="list-style-type: none"> ▶ Advanced RTU Campaign (ARC): Install efficient HVAC rooftop unit (RTU) technology. Gain access to DOE technical experts, be recognized for achievements in RTU retrofits or upgrades, and qualify for discounts on ASHRAE technical guides. ▶ Coming soon: Best practices for duct leakage fact sheet and guidance for a systems approach to central plant HVAC.
Lighting & Electrical	<ul style="list-style-type: none"> ▶ New in 2015 Interior Lighting Campaign: Receive technical assistance and win awards for high efficiency troffer lighting retrofits. Coming soon: a specification for 2x2, 2x4, and 1x4 troffers, a utility incentives database, product lists, technical reports, and case studies. ▶ Lighting Energy Efficiency in Parking Campaign (LEEP): Receive technical assistance and recognition for reducing parking garage and parking lot energy use.
Energy Management Information Systems (EMIS)	<ul style="list-style-type: none"> ▶ Use the technology classification framework, EIS cost and benefits report, and EMIS crash course to learn about critical aspects of successful EMIS use. View the EMIS for Retail, Food Service, and Grocery webinar for best practice examples.
Refrigeration	<ul style="list-style-type: none"> ▶ Use the guides: Retrofitting Medium Temperature Display Cases with Doors and ASHRAE Refrigeration Commissioning Guide (developed with funding from DOE/NREL). ▶ Help develop an industry standard metric for evaluating the energy performance of supermarket refrigeration systems.
Renewables Integration	<ul style="list-style-type: none"> ▶ Use the solar decision guide to evaluate solar for your organization. ▶ Contribute to a study on overcoming the owner-tenant split incentive for solar PV.
Plug & Process Loads	<ul style="list-style-type: none"> ▶ Set up metering of plug and process loads (PPL) in one of your buildings. ▶ Select and implement a control strategy for your PPLs.
Food Service	<ul style="list-style-type: none"> ▶ Collaborate with the Consortium for Energy Efficiency (CEE) to develop guidance on commercial kitchen Demand Control Ventilation (DCV) best practices and a retrofit evaluation checklist. See the introductory webinar presentation here. ▶ Profile a food service energy efficiency project as a Showcase Project on the Better Buildings website or help quantify the non-energy benefits of energy management systems (EMS) to justify project costs.
Leasing and Split Incentive	<ul style="list-style-type: none"> ▶ Learn how the lease can be a powerful mechanism to overcome split incentives and earn recognition for implementing green or energy-aligned lease language by becoming a Green Lease Leader.

Procurement Specifications

Try a procurement specification tailored for your sector when purchasing energy efficient technologies. The specifications listed below have the potential to offer significant benefit for the various end-use energy consumers in commercial buildings.

Specification	Savings Opportunity
High-Efficiency Troffer Lighting	<p>Save 15% – 45% on lighting energy costs by replacing fixtures and up to 75% by using controls. View spec.</p> <p>A Walmart Neighborhood Market in Wichita, KS installed an LED system with bi-level controls that reduced power usage over typical linear fluorescents by 29%. View the case study.</p>
LED Site Lighting (for Parking Lots)	<p>Save 40% or more on energy costs; additional benefits include long life, reduced maintenance costs, and improved lighting uniformity. View spec.</p> <p>T.J.Maxx realized a 3-year payback by replacing high-pressure sodium and metal halide luminaires with LED technology. View the case study.</p>
High-Efficiency Parking Structure Lighting	<p>Save nearly 15% on energy costs compared to current code; additional energy savings are possible with lighting controls and day-lighting techniques. View spec.</p> <p>Cleveland Clinic Foundation in Cleveland, OH installed a LED system in a 970,250-square-foot garage that utilizes sensors to operate in low states, and saved 82% on energy use. View the case study.</p>
High-Efficiency Wallpack Lighting	<p>Save approximately 40% by replacing fixtures and 70% by using controls. Additional benefits include longer life and lower maintenance costs. View spec.</p> <p>If a hotel of 185 rooms applied the specification at 1,200 sites across its building portfolio, it would save an estimated 12.7 million kWh and \$1.3 million in energy savings annually.</p>
Commercial Heat Pump Water Heater	<p>Save 70% on water heating energy by using heat pump water heaters instead of electric storage water heaters. View spec.</p> <p>A commercial kitchen with daily hot water usage of 1,000 gallons installed a heat pump water heater with a heating capacity of 32,000 British thermal units per hour and a coefficient of performance of 3.5. The heat pump water heater saved the facility more than \$6,000 per year with additional space conditioning impacts.</p>
Low-Voltage Distribution Transformer	<p>Save more than 40% on energy use by installing high-efficiency distribution transformers. View spec.</p> <p>The University of California, Merced replaced two existing distribution transformers at an off-campus office building with high-efficiency models, and reduced related energy losses by 85%. View the case study.</p>

Implementation Models

Try a proven solution from a Better Buildings Challenge partner. Better Buildings Challenge partners share strategies for addressing key barriers to energy efficiency, including policies, processes, outreach efforts, tools, and resources. Click [here](#) for a full list.

Topic	Barrier	Solution
Customized Utility Incentives New! WHOLE FOODS MARKET	<ul style="list-style-type: none"> Utility incentives for energy efficiency are often prescriptive and not always relevant to the grocery sector 	<ul style="list-style-type: none"> Propose a sector-specific incentive package to utility; enter into an agreement with utility specifying multi-site regional annual kWh consumption reduction targets with aggregate, streamlined incentive process for Whole Foods locations
Update Internal Purchasing Systems To Facilitate A Portfolio-Wide Energy Upgrade With Maintenance Funds BEST BUY	<ul style="list-style-type: none"> Limited capital funds for energy efficiency 	<ul style="list-style-type: none"> Implement a rolling portfolio-wide lighting retrofit program using maintenance funds instead of capital budget
Energy Finance Strategy KOHL'S DEPARTMENT STORES Coming soon! Kohl's breaks the split incentive cycle as a tenant	<ul style="list-style-type: none"> Getting and defending sustained corporate funding for energy efficiency projects 	<ul style="list-style-type: none"> Create a partnership between the Finance and the Energy teams
Real-Time Energy Monitoring And Weekly Engagement With Field Staff MACY'S	<ul style="list-style-type: none"> Decentralized energy management structure, building staff lack building-level information about energy performance 	<ul style="list-style-type: none"> Implement a centralized real-time energy management system and weekly coordination calls with field staff to address energy issues
Corporate Goal is a Catalyst for Custom Efficiency Strategies for Office, Retail, and Data Assets New! SPRINT	<ul style="list-style-type: none"> Lack of corporate energy goal or enterprise energy reporting and management effort 	<ul style="list-style-type: none"> Create a cross-functional energy management team and set standards for tracking and reporting progress toward energy goals Develop a specific energy reduction strategy for each Sprint asset class, e.g. network, retail stores, commercial office buildings, et cetera Link progress to energy goals with employee performance management goals and vendor Key Performance Indicators (KPIs)
Eco-Treasure Hunts at Fulfillment Centers STAPLES	<ul style="list-style-type: none"> Difficulty identifying and implementing comprehensive energy efficiency opportunities at fulfillment centers 	<ul style="list-style-type: none"> Partner with fulfillment center staff to conduct Eco-Treasure Hunts
Capital Set Aside Fund 3M	<ul style="list-style-type: none"> Inability to access internal capital for energy efficiency projects 	<ul style="list-style-type: none"> Establish a capital set aside fund dedicated specifically for energy efficiency projects
Student Fellowships to Kickstart In-House Energy Programs SHORENSTEIN PROPERTIES	<ul style="list-style-type: none"> No dedicated position for coordinating energy efficiency and sustainability initiatives across the real estate portfolio 	<ul style="list-style-type: none"> Create an annual summer fellowship program provides analytic and strategic support to accelerate energy efficiency investment and communicate the value of sustainable investments